

Maharaja Ranjit Singh Punjab Technical University, Bathinda

Purchase of Equipment for Physics Lab at PIT Rajpura and PIT GTB Garh (Moga)

Name of Work:					
Name of Agency					
Sr. No.	Description of Item	Qty.	Unit		
1	Optical Fiber Kit: Function generator:1 KHz sinewave(Amplitude Adjustable) 1 KHz square wave(TTL) connetor type standard SMA, Numerical Aperature better than 0.5,Fiber Length 0.5 to 1m, Power Supply 230V-50Hz, Optical Fiber Meter.	2	No.		
2	Michelson Interferometer: Micrometer,L.C.0.01mm, 0.0001mm, Sodium Light source 55 W.White screen good quality	2	No.		
3	Ultrasonic Interferometer: High frequency generator:2 MHz Measuring cell: 2MHz Ammeter0-100 microampere,current and gain knob, Power supply 230 volts 50 Hz	2	No.		
4	Frequency of A.C. Mains: Electrical vibrator with 30 sm vibrating steel rod, Bulb 60 watt a physical balance, weighs 1 gm to 20 gm.	2	No.		
5	Laser Apparatus: Helium Neon laser 2mW power, Poer supply, diffraction grating having 15000lines/inch, bread board etc.	2	No.		
6	Dielectric Constant: Ammeter(0-30 micro ampere) for current sensitivity, Patch chords one side 2 mm plug and other side 4 mm plug for interconnections, Metal gang capacitors, Solid Capacitor plate on wooden stand	2	No.		
7	Variation of Magnetic field: Stewart and Gee's tangent galvanometer with 50 cm in length of both sides, Magnetometer (0-90 0-90), Battery Eliminator 3-15 Volt with 3A current no. of turns 5, 50 and 500	2	No.		
8	B-H Curve Apparatus: AC Step down transformer of 3 V AC to 15 V AC in steps of 3 volt, Sample coil having number of turns N=300, and L=0.033 meters. Power chords, Digital Storage Oscilloscope with 25 MHz	2	No.		

Note: 50% of each item should be delivered at PIT Rajpura & PIT GTB Garh Moga.

S. M.